What Is Claimed Is:

1.   A method for inhibiting angiogenesis in a tissue comprising administering to said tissue a composition comprising an angiogenesis-inhibiting amount of an $\alpha_v\beta_3$ antagonist.

2.   The method of claim 1 wherein said $\alpha_v\beta_3$ antagonist inhibits binding of fibrinogen to $\alpha_v\beta_3$ but does not substantially inhibit binding of fibrinogen to $\alpha_{IIb}\beta_3$.

3.   The method of claim 1 wherein said $\alpha_v\beta_3$ antagonist is a monoclonal antibody immunospecific for $\alpha_v\beta_3$.

4.   The method of claim 3 wherein said monoclonal antibody has the immunoreaction characteristics of the monoclonal antibody LM609.

5.   The method of claim 1 wherein said $\alpha_v\beta_3$ antagonist is an RGD-containing polypeptide.

6.   The method of claim 5 wherein said polypeptide is selected from the group consisting of c-(GrGDFV), c-(RGDfV), c-(RADfV), c-(RGDFv) and YTAECKPQVTRGDVF.
and a salt thereof.

7.   The method of claim 6 wherein said salt is hydrochloride or trifluoroacetate.

8.   The method of claim 1 wherein said tissue is inflamed and said angiogenesis is inflamed tissue angiogenesis

9.   The method of claim 8 wherein said tissue is arthritic.

10. The method of claim 9 wherein said arthritic tissue is present in a mammal with rheumatoid arthritis.

11. The method of claim 1 wherein said tissue is the retinal tissue of a patient with diabetic retinopathy and said angiogenesis is retinal

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angiogenesis.

12.   The method of claim 1 wherein said tissue is a hemangioma.

13.   The method of claim 1 wherein said tissue is
5   a solid tumor or a solid tumor metastasis and said angiogenesis is tumor angiogenesis.

14.   The method of claim 1 wherein said angiogenesis-inhibiting amount is from about 2 uM to 5 mM.

10   15.   The method of claim 1 wherein said administering comprises intravenous, transdermal, intrasynovial, intramuscular, or oral administration.

16.   The method of claim 1 wherein said administering is conducted in conjunction with
15   chemotherapy.

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